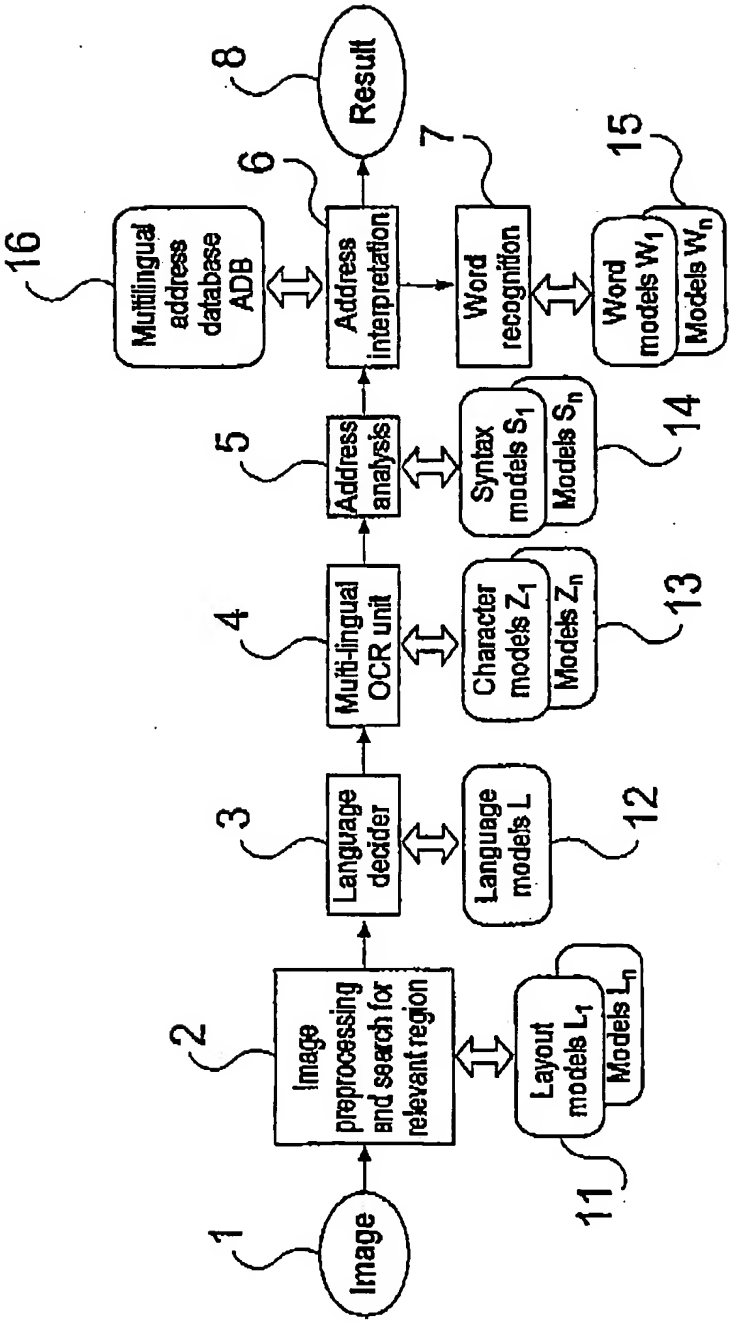
Image
1
Image preprocessing and search for relevant region
2
Layout models L_1
Models L_n
11
Language decider
3
Language models L
12
Multi-lingual OCR unit
4
Character models Z_1
Models Z_n
13
Address analysis
5
Syntax models S_1
Models S_n
14
Address interpretation
6
Word recognition
7
Word models W_1
Models W_n
15
Result
8
Multilingual address database ADB
16

FIG 1

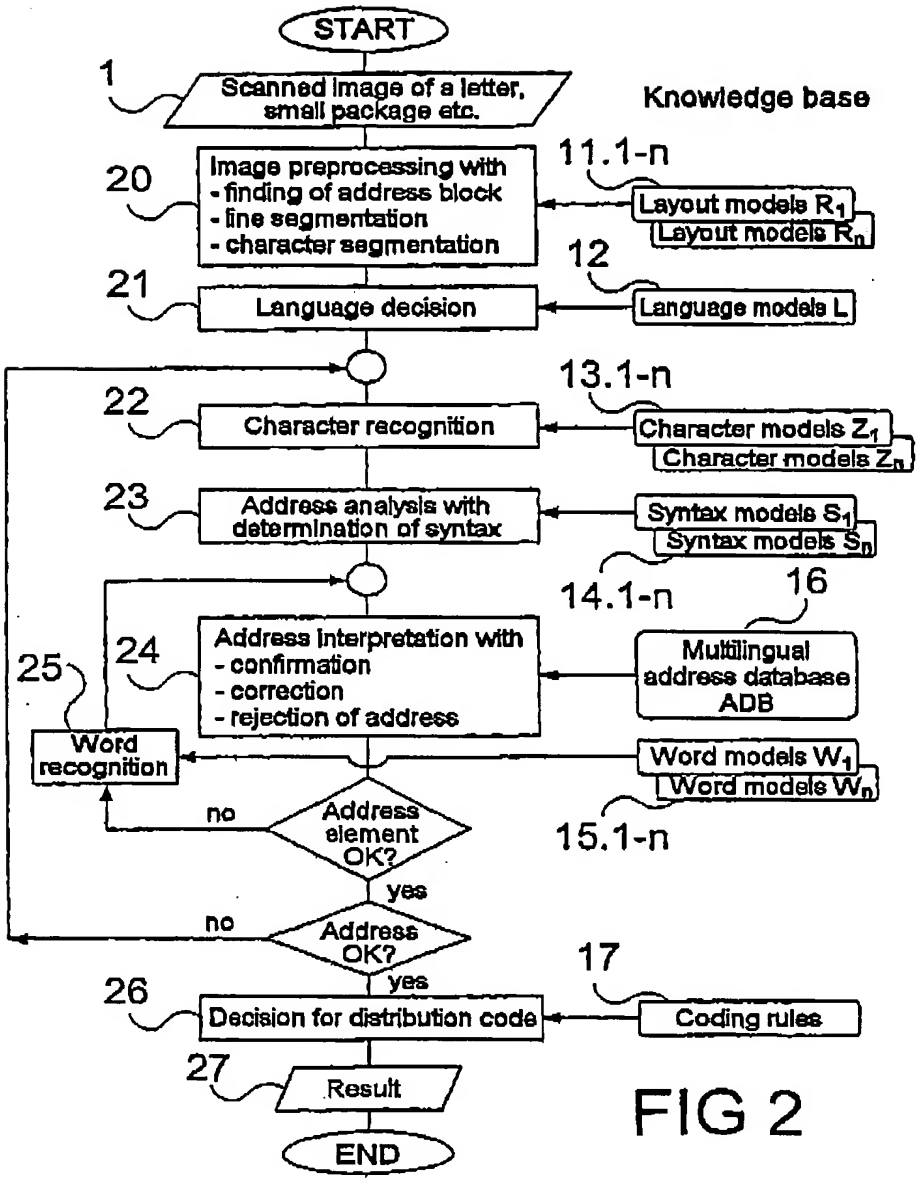
START
1
Scanned image of a letter, small package etc.
Knowledge base
20
Image preprocessing with
- finding of address block
- line segmentation
- character segmentation
11.1-n
Layout models R_1
Layout models R_n
12
21
Language decision
Language models L
13.1-n
22
Character recognition
Character models Z_1
Character models Z_n
23
Address analysis with determination of syntax
Syntax models S_1
Syntax models S_n
14.1-n
16
24
Address interpretation with
- confirmation
- correction
- rejection of address
Multilingual address database ADB
25
Word recognition
Word models W_1
Word models W_n
15.1-n
no
Address element OK?
yes
no
Address OK?
yes
17
26
Decision for distribution code
Coding rules
27
Result
END

FIG 2